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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/783,596	02/19/2004	Yu Hsu Lin	1523	
25859	7590 07/27/2005		EXAM	INER
WEI TE CH	IUNG		LEE, BE	NNY T
FOXCONN I	INTERNATIONAL, INC.			
1650 MEMOREX DRIVE			ART UNIT	PAPER NUMBER
SANTA CLARA, CA 95050			2817	
			DATE MAILED: 07/27/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

· · · · · · · · · · · · · · · · · · ·	Application No.	Applicant(s)				
Office Action Summary	10/783,596	LIN ET AL.				
Onice Action Summary	Examiner	Art Unit				
T. MAIL ING DATE (14)	Benny Lee	2817				
The MAILING DATE of this communication apperiod for Reply	pears on the cover sneet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37-CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a replent if NO period for reply is specified above, the maximum statutory period Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may a reply be timely within the statutory minimum of thirty (30) days will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 20 J	une 2005.					
·— · · · · · · · · · · · · · · · · · ·	s action is non-final.					
3) Since this application is in condition for allowa						
closed in accordance with the practice under t	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4) Claim(s) <u>1-28</u> is/are pending in the application.						
4a) Of the above claim(s) 2, 3; 6-9; 10-13; 16,	4a) Of the above claim(s) 2, 3; 6-9; 10-13; 16, 17; 20-22; 23-28 is/are withdrawn from consideration.					
5)⊠ Claim(s) <u>14,18 and 19</u> is/are allowed.						
6) Claim(s) <u>1, 4, 5, 15</u> is/are rejected.	☑ Claim(s) <u>1, 4, 5; 15</u> is/are rejected.					
7) Claim(s) is/are objected to.						
8) Claim(s) 1-28 are subject to restriction and/or	☑ Claim(s) <u>1-28</u> are subject to restriction and/or election requirement.					
Application Papers	•					
9) The specification is objected to by the Examiner.						
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ All b) ☐ Some * c) None of:						
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority document	ts have been received in Applicati	on No				
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)						
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)						
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date Notice of Informal Patent Application (PTO-152)						
Paper No(s)/Mail Date 6) Other:						

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DETAILED ACTION

Applicant's election without traverse of Species I in the reply filed on 20 June 2005 is acknowledged.

Claims 2, 3; 6-13; 16, 17; 20-22; 23-28 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to nonelected species, there being no allowable generic or linking claim. Election was made without traverse in the reply filed on 20 June 2005.

35 U.S.C. 112, first paragraph, requires the specification to be written in "full, clear, concise, and exact terms." The specification is replete with terms which are not clear, concise and exact. The specification should be revised carefully in order to comply with 35 U.S.C. 112, first paragraph. Examples of some unclear, inexact or verbose terms used in the specification are: Paragraph [0002], third line therein, "which screws up..." needs rephrasing. Paragraph [0004], fourth line from the bottom, "enormously" to --greatly--.

The disclosure is objected to because of the following informalities: Paragraph [0004], third line from bottom, "the other may need..." is vague in meaning and needs rephrasing; last line therein, note that reference to "differential pair b" is vague in meaning. Paragraphs [0027] & [0028], note that --apart-- should follow "are far enough". Appropriate correction is required.

The drawings are objected to because in Fig. 2, parameters --D-- & --H-- need to be provided as per the description at paragraph [0020]. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing

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figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claims 4, 5; 15 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 4, note that "said third signal trace is disposed in <u>one</u> of the plurality of layers that said <u>second</u> signal <u>trace</u> is disposed" and "said fourth signal trace is disposed in <u>another one</u> of the plurality of layers than said <u>first</u> signal <u>trace</u> is disposed" does not appear consistent with the corresponding "trace" and "level" as respectively defined in claim 1, from which this claim directly depends. Clarification is needed.

In claim 15, note that "the same <u>first</u> level with the <u>second trace</u>" & "the same <u>second</u> level with the <u>first trace</u>" does not appear consistent with the "trace" and "level" as respectively defined in claim 14, from which this claim directly depends. Clarification is needed.

The following claims have been found objectionable for reasons set forth below:

In claim 4, lines 2 & 4, note that "that" should be rewritten as --where-- at each occurrence for clarity of description.

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In claim 15, last line, note that "the" should be rewritten as --a-- for a proper characterization.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claim 1 is rejected under 35 U.S.C. 102(b) as being clearly anticipated by Kazuhiko.

Kazuhiko discloses a differential pair arrangement comprising: a multi-layered printed circuit board of dielectric (i.e. insulating) material; a first differential pair of conductors with conductive traces (10a, 10b) disposed within the multi-layered dielectric; a second differential pair with conductive traces (11a, 11b) disposed within the multi-layered dielectric. Note that one of the traces of the first differential pair (e.g. 10a) is at a different level than one of the traces of the second differential pair (e.g. 11a or 11b). The overall arrangement of differential pairs provides reduction in cross talk noise.

Claims 1, 4, 5 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Thornton.

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Thornton (Fig. 1) discloses a differential pair arrangement comprising: a cable (108)

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which must necessarily be insulating (e.g. dielectric) to preventing short circuiting the

differential conductor pairs; a first balance or differential pair of conductors with first & second

conductors (110a, 110b) disposed in the insulating cable (108); a second balance or differential

pair of conductors with third & fourth conductors (114a, 114b) disposed in the insulating cable

(108). Note that the first & fourth conductors (110a, 114b) are disposed in the same level while

the second & third conductors (110b, 114a) are disposed in the same level such as to form a

rectangular shape pattern which provides electrical isolation between the differential pairs.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Benny Lee whose telephone number is 571 272 1764.

B. Lee

PRIMARY EXAMINER

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